

Searching PAJ

MENU**NEWS****HELP**

Search Results : 5

Index Indication

Clear

Text Search

If you want to conduct a Number Search, please click on
the button to the right.

Number Search

Applicant,Title of invention,Abstract — e.g. computer semiconductor

If you use the AND/OR operation, please leave a SPACE between keywords.

One letter word or Stopwords are not searchable.

piezoelectric

AND

AND

cantilever

AND

AND

pedestal

AND

AND

Date of publication of application — e.g.19980401 - 19980405

-

AND

IPC — e.g. D01B7/04 A01C11/02

If you use the OR operation, please leave a SPACE between keywords.

Search**Stored data**

Copyright (C); 1998,2003 Japan Patent Office

Searching PAJ

MENU**NEWS****HELP**

Search Results : 38

Index Indication**Clear****Text Search**

If you want to conduct a Number Search, please click on
the button to the right.

Number Search

Applicant,Title of invention,Abstract — e.g. computer semiconductor

If you use the AND/OR operation, please leave a SPACE between keywords.

One letter word or **Stopwords** are not searchable.

 piezoelectric crystal**AND**

AND

 cantilever**AND**

AND

AND

AND

Date of publication of application — e.g.19980401 - 19980405

 -

AND

IPC — e.g. D01B7/04 A01C11/02

If you use the OR operation, please leave a SPACE between keywords.

Search**Stored data**

Copyright (C); 1998,2003 Japan Patent Office

Searching PAJ

MENU**NEWS****HELP**

Search Results : 46

Index Indication**Clear****Text Search**

If you want to conduct a Number Search, please click on
the button to the right.

Number Search**Applicant,Title of invention,Abstract — e.g. computer semiconductor**

If you use the AND/OR operation, please leave a SPACE between keywords.

One letter word or Stopwords are not searchable.

AND

AND

AND

AND

AND

AND

Date of publication of application — e.g. 19980401 - 19980405

-

AND

IPC — e.g. D01B7/04 A01C11/02

If you use the OR operation, please leave a SPACE between keywords.

**Search****Stored data**

Copyright (C); 1998,2003 Japan Patent Office

Searching PAJ

MENU**NEWS****HELP****Search Results : 0****Clear****Text Search**

If you want to conduct a Number Search, please click on
the button to the right.

Number Search**Applicant,Title of invention,Abstract — e.g. computer semiconductor**

If you use the AND/OR operation, please leave a SPACE between keywords.

One letter word or Stopwords are not searchable.

 piezoelectric**AND**

AND

 cantilever**AND**

AND

 ridge**AND**

AND

Date of publication of application — e.g. 19980401 - 19980405 -

AND

IPC — e.g. D01B7/04 A01C11/02

If you use the OR operation, please leave a SPACE between keywords.

**Search****Stored data**

Copyright (C); 1998,2003 Japan Patent Office

Searching PAJ

MENU**NEWS****HELP**

Search Results : 1

Index Indication**Clear****Text Search**

If you want to conduct a Number Search, please click on
the button to the right.

Number Search

Applicant,Title of invention,Abstract — e.g. computer semiconductor

If you use the AND/OR operation, please leave a SPACE between keywords.

One letter word or Stopwords are not searchable.

 piezoelectric**AND**

AND

 cantilever**AND**

AND

 mesa**AND**

AND

Date of publication of application — e.g.19980401 - 19980405

 -

AND

IPC — e.g. D01B7/04 A01C11/02

If you use the OR operation, please leave a SPACE between keywords.

**Search****Stored data**

Copyright (C); 1998,2003 Japan Patent Office



Canadian Intellectual
Property Office Office de la propriété
intellectuelle du Canada

Canada

Français
Strategis

Contact Us
Site Map

Help
What's New

Search
About Us

Canada Site
Registration

strategis.gc.ca

CIPO Canadian Intellectual Property Office

[CIPO Home](#)

[Patents Main Page](#)

[PATENTS
DATABASE](#)

[Search Options](#)

[Basic](#)

[Number](#)

[Boolean](#)

[Advanced](#)

[Help](#)

[Content](#)

[Searching](#)

[Search Language](#)

[FAQ](#)

[Disclaimer](#)

[Foreign Patent Links](#)

[Decisions of the
Commissioner of
Patents](#)

[Trade-marks
Database](#)

[Copyrights Database](#)

Strategis Index: [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

Canadian Intellectual Property Office

Canadian Patents Database

Search Results

05/24/2005 - 16:06:33

Query :

((piezoelectric <and> cantilever <an

Query: ((piezoelectric <and> cantilever <and> (ridge <or> pedestal)))
<in> claims)

Sorry, no patents were found matching your query

Please modify your query and try again. [Example queries and search language help are available.](#)

Last Modified: 2002-12-31



[Important Notices](#)



Canadian Intellectual
Property Office Office de la propriété
intellectuelle du Canada

Canada

Français
Strategis

Contact Us
Site Map

Help
What's New

Search
About Us

Canada Site
Registration

strategis.gc.ca

CIPO OPIG

[CIPO Home](#)

[Patents Main Page](#)

**PATENTS
DATABASE**

[Search Options](#)

[Basic](#)
[Number](#)
[Boolean](#)
[Advanced](#)

[Help](#)

[Content](#)
[Searching](#)
[Search Language](#)
[FAQ](#)

[Disclaimer](#)

[Foreign Patent Links](#)

[Decisions of the
Commissioner of
Patents](#)

[Trade-marks
Database](#)

[Copyrights Database](#)

Strategis Index: [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

Canadian Intellectual Property Office

Canadian Patents Database

Advanced Search

Enter search text in the following fields. View example queries

For information concerning current coverage, see the [What's New](#) area.

[Date Search](#)

Any Text Field:

resonator <or> oscillator

Title:

cantilever <and> conductive <near>

Abstract:

Claims:

Inventor:

Inventor Country:

Inventor Country Not Selected



Owner:

Applicant:

IPC:

CPC:

PCT Filing Number:

Intl Publication Number:

Only with License Available:

WITHIN

All documents PCT Non-PCT

AND

In both languages |

For documents only issued on or after
Aug. 15, 1978

English French

AND

Date Search: (Optional)

To restrict your search to a specific date range, you **must select a date**

field below.

Find patents with Date Search not active
between and
Results per lists

Last Modified: 2004-01-08



[Important Notices](#)

[Search Summary]**Results of searching in PCT (Full Text) for:****piezoelectric and cantilever and (ridge or pedestal): 87 records***Showing records 1 to 25 of 87 :*[Next 25 records](#)[Start At](#)[Refine Search](#)

piezoelectric and cantilever and (ridge or pedestal)

Title

1. [**\(WO 2005/043159\) WATER-SOLUBLE COMPOUND**](#)
2. [**\(WO 2005/031165\) MICRO-PUMP**](#)
3. [**\(WO 2005/022606\) THERMOACOUSTIC PIEZOELECTRIC GENERATOR**](#)
4. [**\(WO 2005/017937\) SENSOR ARRAY FOR MEASURING PLASMA CHARACTERISTICS IN PLASMA PROCESSING ENVIRONMENTS**](#)
5. [**\(WO 2005/010125\) DRUM PEDAL STABILIZER**](#)
6. [**\(WO 2005/001903\) PULSE DRIVE OF RESONANT MEMS DEVICES**](#)
7. [**\(WO 2004/113895\) HIGH THROUGHPUT MICROCANTILEVER DETECTOR**](#)
8. [**\(WO 2004/099826\) POLISHED POLYIMIDE SUBSTRATE**](#)
9. [**\(WO 2004/095593\) LED LIGHT ASSEMBLY WITH ACTIVE COOLING**](#)
10. [**\(WO 2004/052075\) IMPROVED EFFICIENCY AUDIBLE ALARM**](#)
11. [**\(WO 2004/052046\) THIN MEMBRANE TRANSDUCER**](#)
12. [**\(WO 2004/044552\) METHODS AND APPARATUS FOR INK DELIVERY TO NANOLITHOGRAPHIC PROBE SYSTEMS**](#)
13. [**\(WO 2002/051549\) HIGH SPEED LIQUID DEPOSITION APPARATUS FOR MICROARRAY FABRICATION**](#)
[Repub: 13.05.2004]
14. [**\(WO 2004/029625\) DETECTING MOLECULAR BINDING BY MONITORING FEEDBACK CONTROLLED CANTILEVER DEFLECTIONS**](#)
15. [**\(WO 2004/003384\) PIEZOELECTRIC MICROPUMP WITH DIAPHRAGM AND VALVES**](#)
16. [**\(WO 03/093165\) THERMAL MICRO-ACTUATOR BASED ON SELECTIVE ELECTRICAL EXCITATION**](#)
17. [**\(WO 03/081195\) PRESSURE MONITOR INCORPORATING SAW DEVICE**](#)
18. [**\(WO 03/066515\) MICROENGINEERED ELECTRICAL CONNECTORS**](#)
19. [**\(WO 03/062742\) SCANNING PROBE FOR DATA STORAGE AND MICROSCOPY**](#)
20. [**\(WO 03/050852\) COMPLEX MICRODEVICES AND APPARATUS AND METHODS FOR FABRICATING SUCH DEVICES**](#)
21. [**\(WO 03/046144\) MICROSCALE IMMOBILIZATION OF MOLECULES USING A HYDROGEL AND METHODS OF USE THEREOF**](#)
22. [**\(WO 03/043051\) MEASUREMENT DEVICE FOR ELECTRON MICROSCOPE**](#)
23. [**\(WO 03/038919\) PIEZOELECTRIC DEVICES**](#)
24. [**\(WO 02/025630\) MICROFABRICATED ULTRASOUND ARRAY FOR USE AS RESONANT SENSORS**](#)
[Repub: 03.04.2003]

Searching PCT (Full Text)...

[Search Summary]

Results of searching in PCT (Full Text) for:

piezoelectric and cantilever and (conductive or conducting) near (resin or adhesive): 0 records

[Refine Search](#)

piezoelectric and cantilever and (conductiv or condu

No records matching your query found in PCT (Full Text)

Search Summary

piezoelectric NEAR resin: 16 occurrences in 11 records.

cantilever NEAR resin: 2 occurrences in 1 record.

(piezoelectric NEAR resin AND cantilever NEAR resin): 0 records.

conductive NEAR resin: 5051 occurrences in 660 records.

conducting NEAR resin: 304 occurrences in 99 records.

(conductive NEAR resin OR conducting NEAR resin): 749 records.

((piezoelectric NEAR resin AND cantilever NEAR resin) AND (conductive NEAR resin OR conducting NEAR resin)): 0 records.

piezoelectric NEAR adhesive: 79 occurrences in 35 records.

cantilever NEAR adhesive: 14 occurrences in 12 records.

(piezoelectric NEAR adhesive AND cantilever NEAR adhesive): 0 records.

conductive NEAR adhesive: 10316 occurrences in 2158 records.

conducting NEAR adhesive: 575 occurrences in 265 records.

(conductive NEAR adhesive OR conducting NEAR adhesive): 2312 records.

((piezoelectric NEAR adhesive AND cantilever NEAR adhesive) AND (conductive NEAR adhesive OR conducting NEAR adhesive)): 0 records.

(((piezoelectric NEAR resin AND cantilever NEAR resin) AND (conductive NEAR resin OR conducting NEAR resin)) OR ((piezoelectric NEAR adhesive AND cantilever NEAR adhesive) AND (conductive NEAR adhesive OR conducting NEAR adhesive))): 0 records.

Search Time: 4.34 seconds.



RESULT LIST

63 results found in the Worldwide database for:
resonator or oscillator in the title AND **cantilever** in the title or abstract
(Results are sorted by date of upload in database)

- 1 SENSOR WITH CANTILEVER AND OPTICAL RESONATOR**
Inventor: FREDERIX PATRICK LOUIS THEODOR; HUG
HANS JOSEF
EC:
Publication info: AU2002321721 - 2004-03-03
Applicant: UNI BASEL
IPC: G12B21/08; G12B21/20; (+3)

2 Vacuum-cavity MEMS resonator
Inventor: MA QING (US); CHENG PENG (US); (+1)
EC: H03H3/007M; H03H9/10M; (+4)
Publication info: US2005036269 - 2005-02-17
Applicant: INTEL CORP (US)
IPC: H01G4/00

3 Method and apparatus for characterizing materials by using a mechanical resonator
Inventor: MATSIEV LEONID (US); BENNETT JAMES (US); (+1)
EC: G01H13/00; G01N9/00B; (+10)
Publication info: US2004074303 - 2004-04-22
Applicant: SYMYX TECHNOLOGIES INC (US)
IPC: G01H13/00; G01H3/04

4 Method and apparatus for characterizing materials by using a mechanical resonator
Inventor: MATSIEV LEONID (US); BENNETT JAMES (US); (+1)
EC: G01H13/00; G01N9/00B; (+10)
Publication info: US2004074302 - 2004-04-22
Applicant: SYMYX TECHNOLOGIES INC (US)
IPC: G01H3/04

5 Fabry-perot resonator and system for measuring and calibrating displacement of a cantilever tip using the same in atomic force microscope
Inventor: KIM JAE WAN (KR); EOM TAE BONG (KR)
EC:
Publication info: US2003226955 - 2003-12-11
Applicant:
IPC: H01J40/14

6 HOLDING STRUCTURE OF PIEZOELECTRIC VIBRATION ELEMENT IN PIEZOELECTRIC DEVICE, PIEZOELECTRIC VIBRATOR, PIEZOELECTRIC OSCILLATOR, INSULATING PACKAGE, AND PIEZOELECTRIC VIBRATION ELEMENT
Inventor: KOMINE KENJI; HANZAWA MASANORI
EC:
Publication info: JP2004222006 - 2004-08-05
Applicant: TOYO COMMUNICATION EQUIP
IPC: H03H9/02; H03H9/05; (+2)

7 SUPPORTING STRUCTURE FOR SAW RESONATOR AND OSCILLATOR USING THE SAME
Inventor: EGUCHI OSAMU
EC:
Publication info: JP2003298388 - 2003-10-17
Applicant: KINSEKI LTD
IPC: H03H9/25

8 PIEZOELECTRIC OSCILLATOR AND MANUFACTURING METHOD THEREFOR
Inventor: ENDO HIDEO
EC:
Publication info: JP2002359536 - 2002-12-13
Applicant: SEIKO EPSON CORP
IPC: H03H9/09; H03H3/04; (+1)

9 PIEZOELECTRIC OSCILLATOR
Inventor: KOBAYASHI HIROKAZU
EC:

RESULT LIST

7 results found in the Worldwide database for:
resonator cantilever pedestal in the title or abstract
(Results are sorted by date of upload in database)

1 PIEZO-OSCILLATOR

Inventor: SAITO HIROAKI; ISHITA AKINORI
EC:

Publication info: **JP2000134058** - 2000-05-12

Applicant: TOYO COMMUNICATION EQUIP
IPC: H03H9/02; H03B5/32

2 ALPO4 RESONATOR

Inventor: KAWASHIMA HIROFUMI
EC:

Publication info: **JP61073047** - 1986-04-15

Applicant: SEIKO ELECTRONIC COMPONENTS
IPC: G01L21/22; H03H9/21

3 CRYSTAL RESONATOR

Inventor: KAWASHIMA HIROFUMI
EC:

Publication info: **JP61073046** - 1986-04-15

Applicant: SEIKO ELECTRONIC COMPONENTS
IPC: G01L21/22; H03H9/215

4 LITHIUM TANTALATE RESONATOR

Inventor: KAWASHIMA HIROFUMI
EC:

Publication info: **JP61073045** - 1986-04-15

Applicant: SEIKO ELECTRONIC COMPONENTS
IPC: G01L21/22; H03H9/21

5 LITHIUM NIOBATE RESONATOR

Inventor: KAWASHIMA HIROFUMI
EC:

Publication info: **JP61073044** - 1986-04-15

Applicant: SEIKO ELECTRONIC COMPONENTS
IPC: G01L21/22; H03H9/21

6 LITHIUM NIOBATE RESONATOR

Inventor: KAWASHIMA HIROFUMI
EC:

Publication info: **JP61057827** - 1986-03-24

Applicant: SEIKO ELECTRONIC COMPONENTS
IPC: G01L21/22; H03H9/19

7 OSCILLATOR

Inventor: .
EC: H03H9/10; H03H9/21; (+1)

Publication info: **GB1465970** - 1977-03-02

Applicant: SEIKO INSTR & ELECTRONICS
IPC: H03H9/10; H03H9/20

Data supplied from the **esp@cenet** database - Worldwide

| | Type | L # | Hits | Search Text | DBs |
|---|------|-----|------|---|--|
| 1 | BRS | L1 | 4 | "1465970" | EPO; DERWENT |
| 2 | IS&R | L2 | 6 | ("1465970").PN. | USPAT; USOCR; EPO; JPO; DERWENT |
| 3 | BRS | L3 | 56 | piezoelectric same cantilever and pedestal | US- PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TD B |
| 4 | BRS | L4 | 79 | piezoelectric same cantilever and ridge | US- PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TD B |
| 5 | BRS | L5 | 0 | terayama-tosho.in. | USPAT |
| 6 | BRS | L6 | 4 | terayama-toshio.in. | USPAT |
| 7 | BRS | L7 | 1 | terayama-toshio.in. | USOCR |